

**SDSS\_J0050+1847\_MJD56220**

*Rest Wavelength (Å)*

1000

1500

2000

2500

***z = 2.701***

**Flux ( $10^{-17}$  ergs  $s^{-1}$   $cm^{-2}$   $\text{\AA}^{-1}$ )**

60

50

40

30

20

10

0

4000

5000

6000

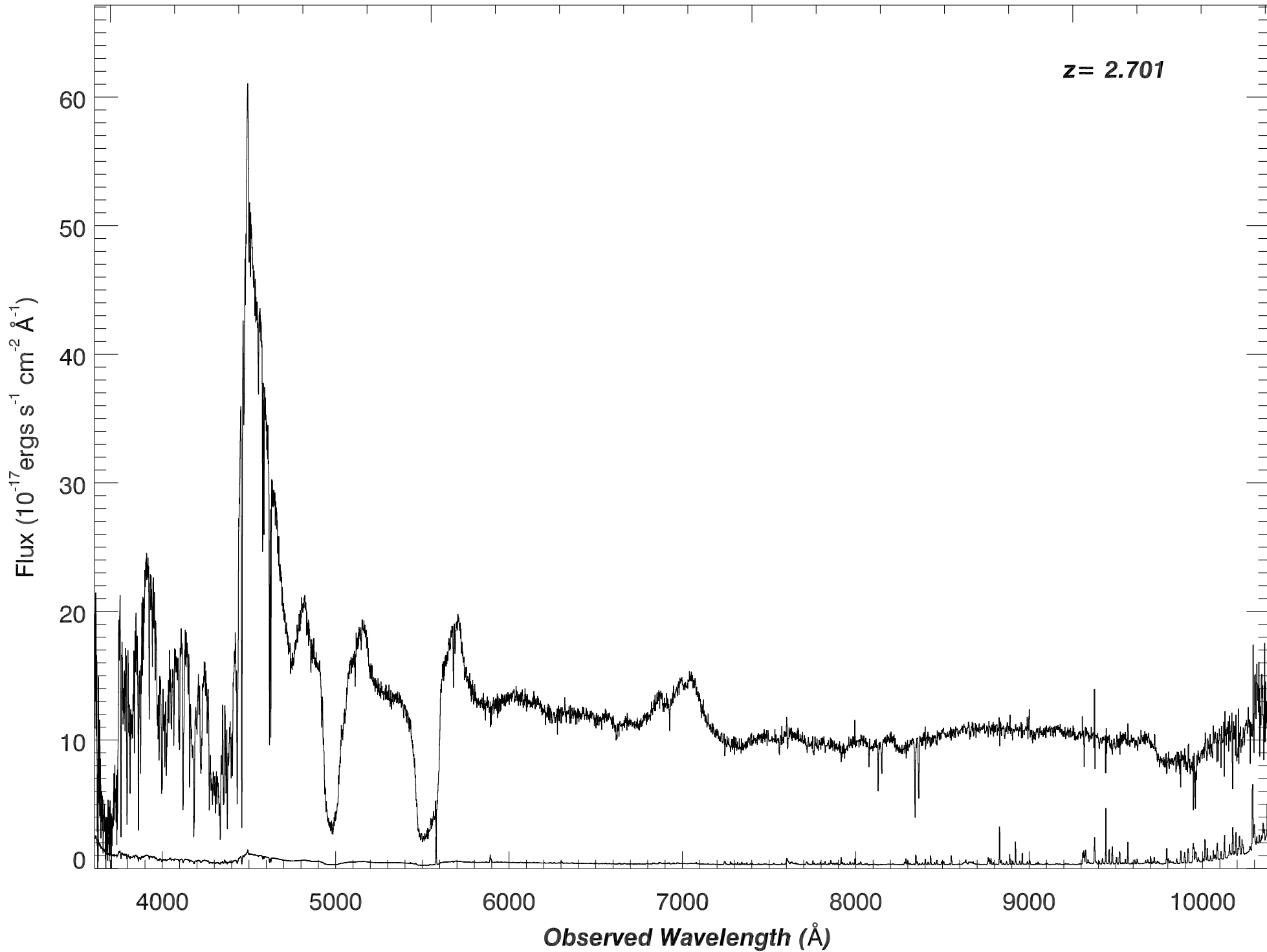
7000

8000

9000

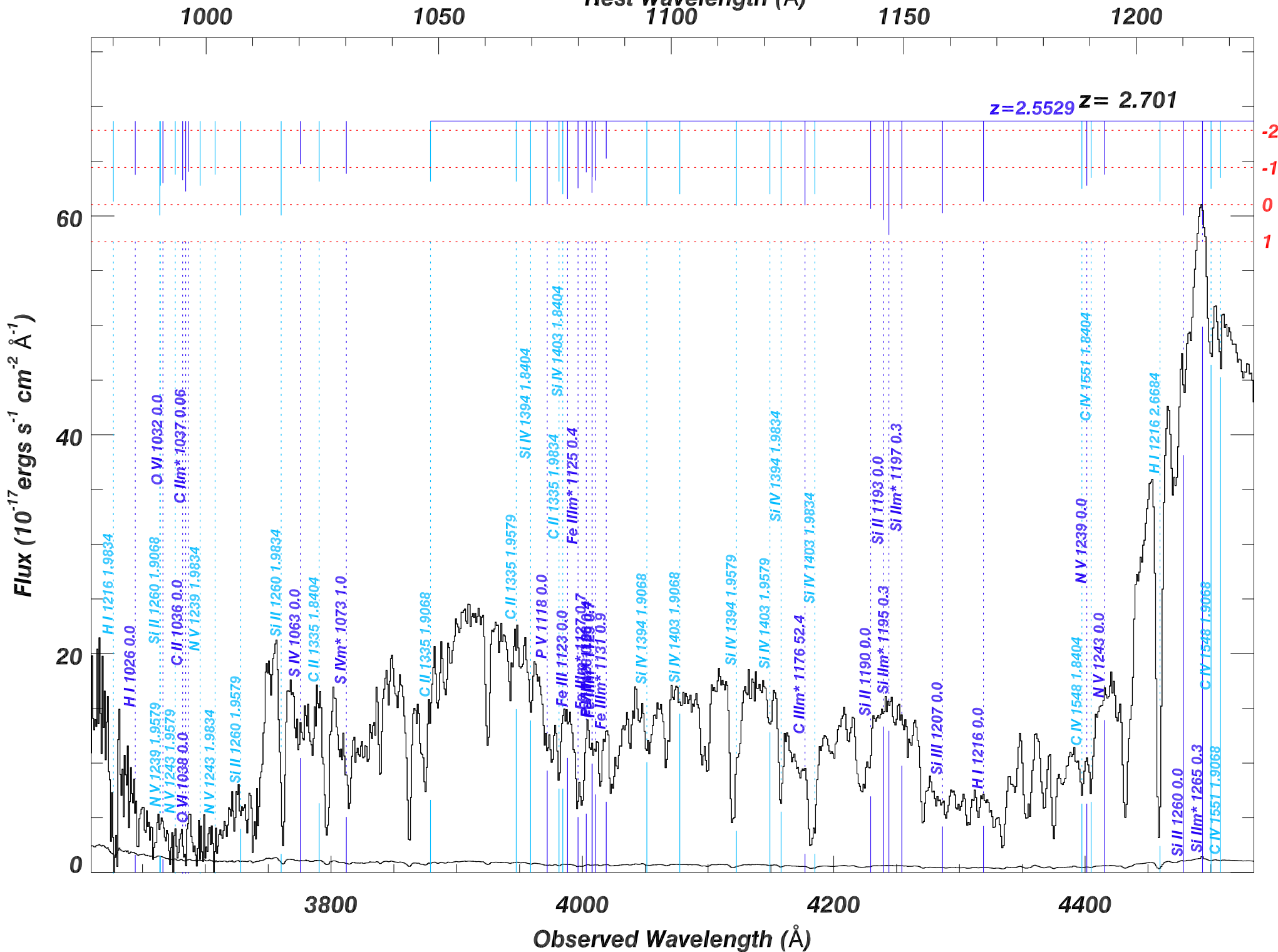
10000

***Observed Wavelength (Å)***

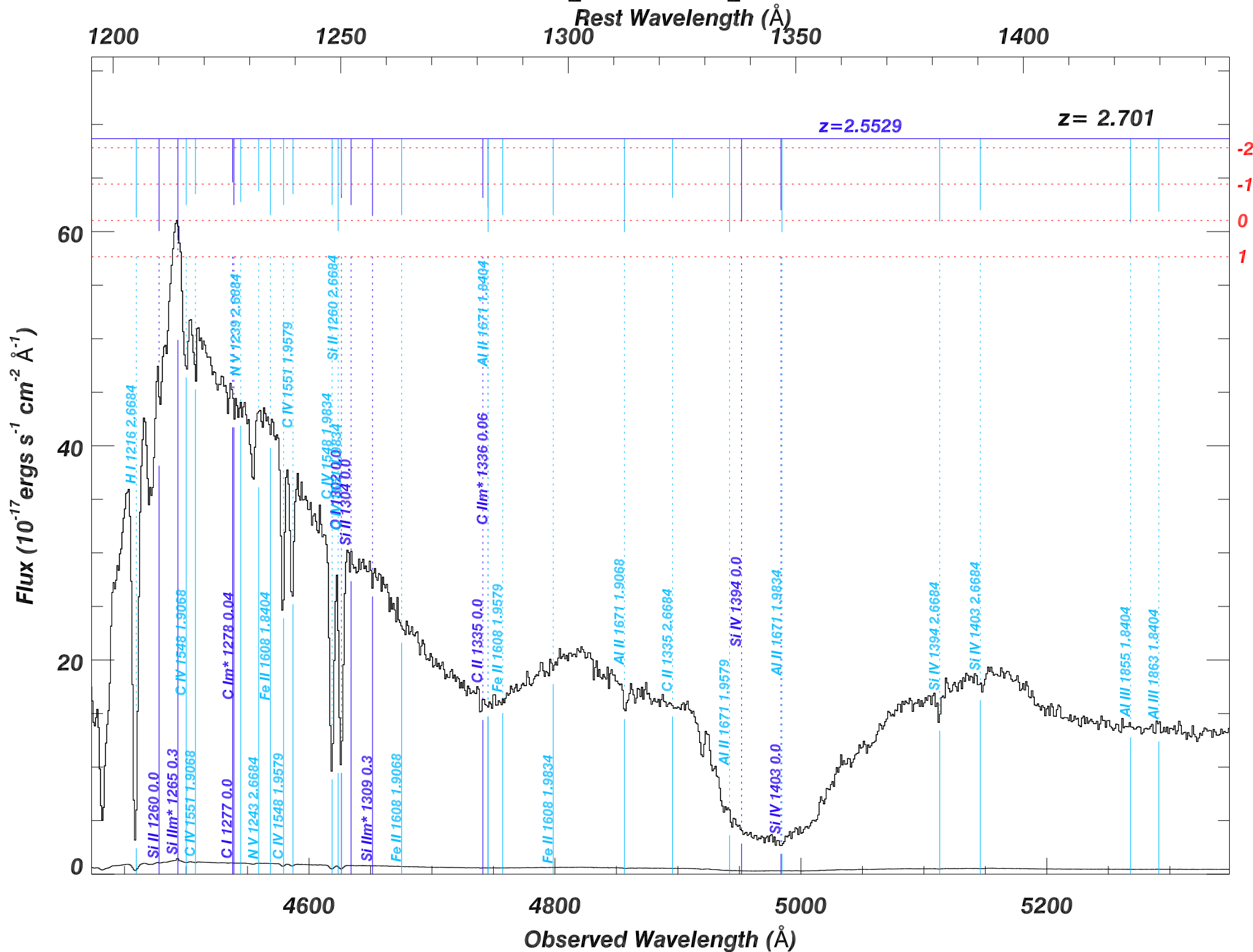


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Rest Wavelength ( $\text{\AA}$ )



# SDSS\_J0050+1847\_MJD56220



## SDSS\_J0050+1847\_MJD56220

Rest Wavelength ( $\text{\AA}$ )

1450

1500

1550

1600

1650

Flux ( $10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

20

15

10

5

0

 $z = 2.5529$   
 $z = 2.701$ 

-2

-1

0

1

Al III 1855 1.8404

Al III 1863 1.8404

Al III 1855 1.9068

Al III 1863 1.9068

Si III\* 1533 0.3

Al III 1855 1.9579

C IV 1548 0.0

C IV 1551 0.679

Al III 1855 1.9834

C I\* 1561 0.04

C I 1560 0.0

Al III 1863 1.9834

C IV 1548 2.6684

C IV 1551 2.6684

Fe II 1608 0.0

C I\* 1657 0.04

C I 1657 0.0

Fe II 1608 2.6684

Al II 1671 0.0

Al II 1671 2.6684

5400

5600

5800

6000

Observed Wavelength ( $\text{\AA}$ )

# SDSS\_J0050+1847\_MJD56220

Rest Wavelength ( $\text{\AA}$ )

1650

1700

1750

1800

1850

$z=2.5529$

$z=2.701$

Flux ( $10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

15

10

5

0

-2

-1

0

1

Al III 1671 2.6684

Al I 1766 0.0  
Al I m\* 1766 0.1

Al III 1855 0.0

Al III 1863 0.0

Fe II 2344 1.8404

Fe II 2374 1.8404

Fe II 2383 1.8404

Al III 1855 2.6684

Fe II 2344 1.9068

Al III 1863 2.6684

Al I 1932 0.0

Al I m\* 1936 0.1

Fe II 2374 1.9068

Fe II 2383 1.9068

Fe II 2344 1.9579

6200

6400

6600

6800

Observed Wavelength ( $\text{\AA}$ )

# SDSS\_J0050+1847\_MJD56220

Rest Wavelength ( $\text{\AA}$ )

1900

1950

2000

2050

2100

$z=2.5529$

$z=2.701$

Flux ( $10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

15

10

5

0

-2  
-1  
0  
1

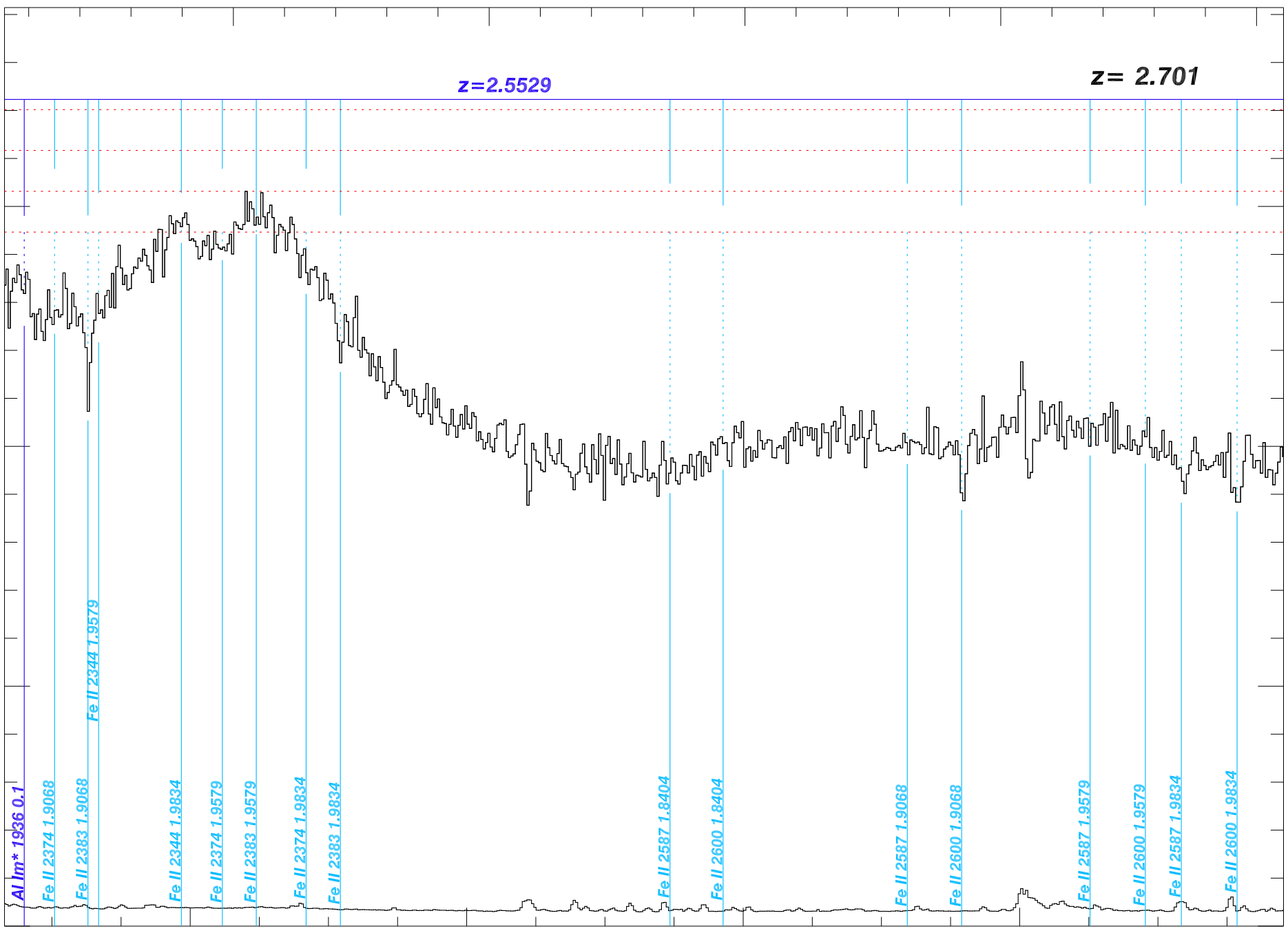
7000

7200

7400

7600

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J0050+1847\_MJD56220

Rest Wavelength (Å)

2100

2150

2200

2250

2300

Flux ( $10^{-17}$  ergs  $s^{-1}$   $cm^{-2}$   $\text{\AA}^{-1}$ )

14

12

10

8

6

4

2

0

$z=2.5529$

$z= 2.701$

-2

-1

0

1

7800

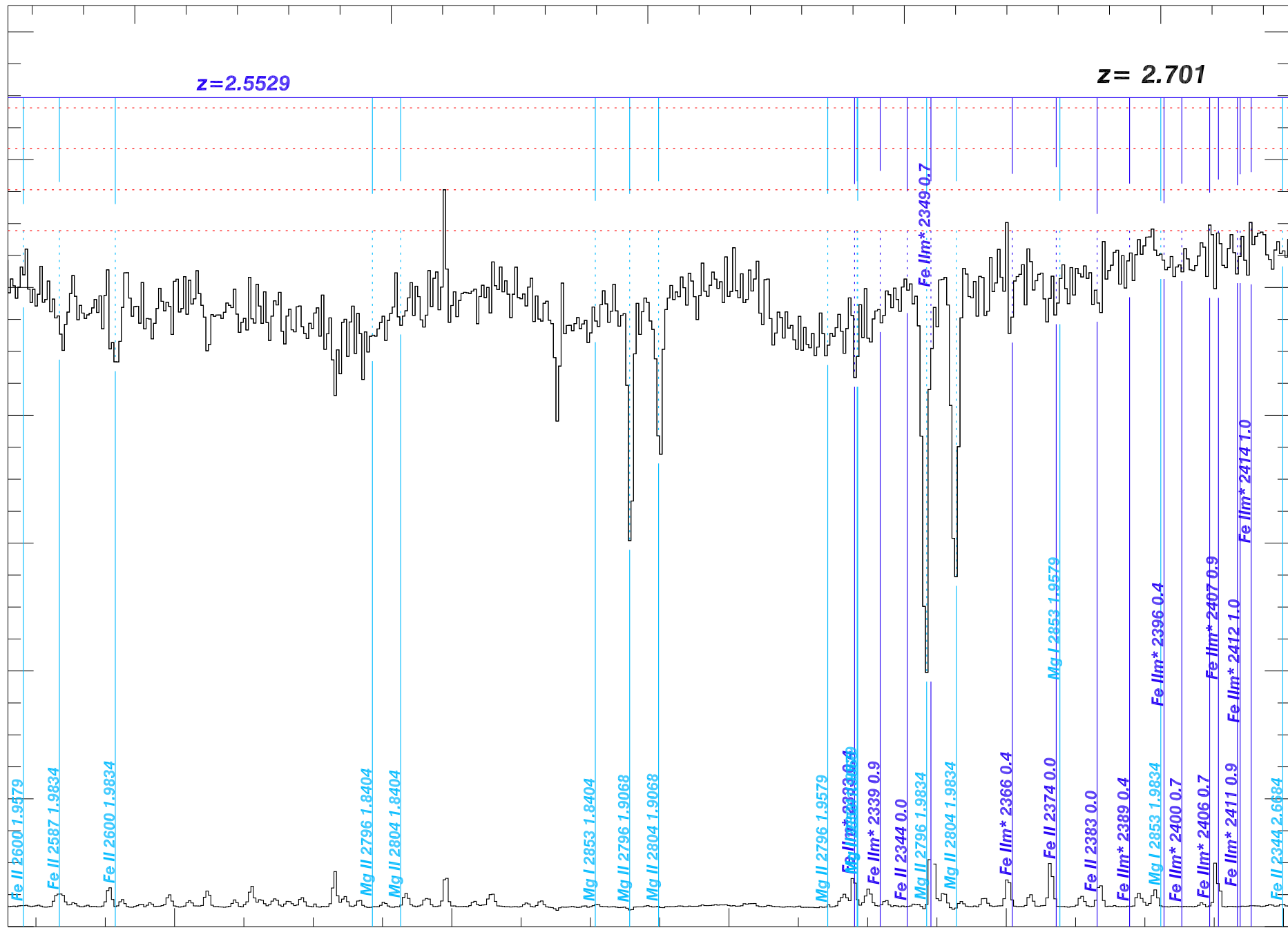
8000

8200

8400

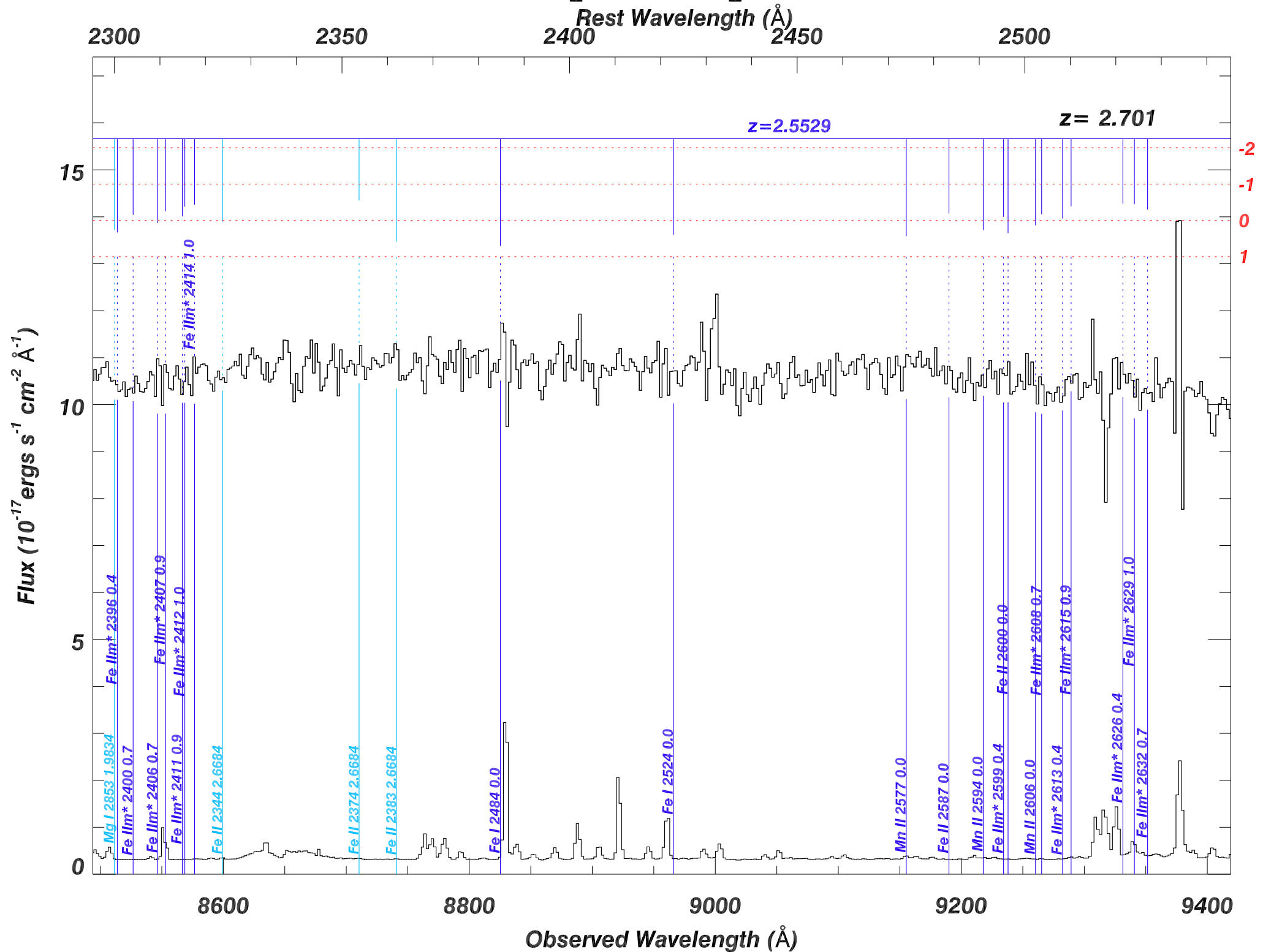
8600

Observed Wavelength (Å)



Rest Wavelength (Å)	Ion
2600	Fe II
2587	Fe II
2600	Fe II
2796	Mg II
2804	Mg II
2853	Mg I
2796	Mg II
2804	Mg II
2796	Mg II
2344	Fe II
2339	Fe III
2344	Fe II
2796	Mg II
2804	Mg II
2366	Fe III
2374	Fe II
2383	Fe II
2389	Fe III
2853	Mg I
2400	Fe III
2406	Fe III
2411	Fe III
2412	Fe III
2414	Fe III
2344	Fe II

## SDSS\_J0050+1847\_MJD56220





# SDSS\_J0050+1847\_MJD56220

Rest Wavelength ( $\text{\AA}$ )

2550

2600

2650

2700

2750

$z = 2.5529$

$z = 2.701$

Flux ( $10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

15

10

5

0

-2  
-1  
0  
1

$9.40 \times 10^3$

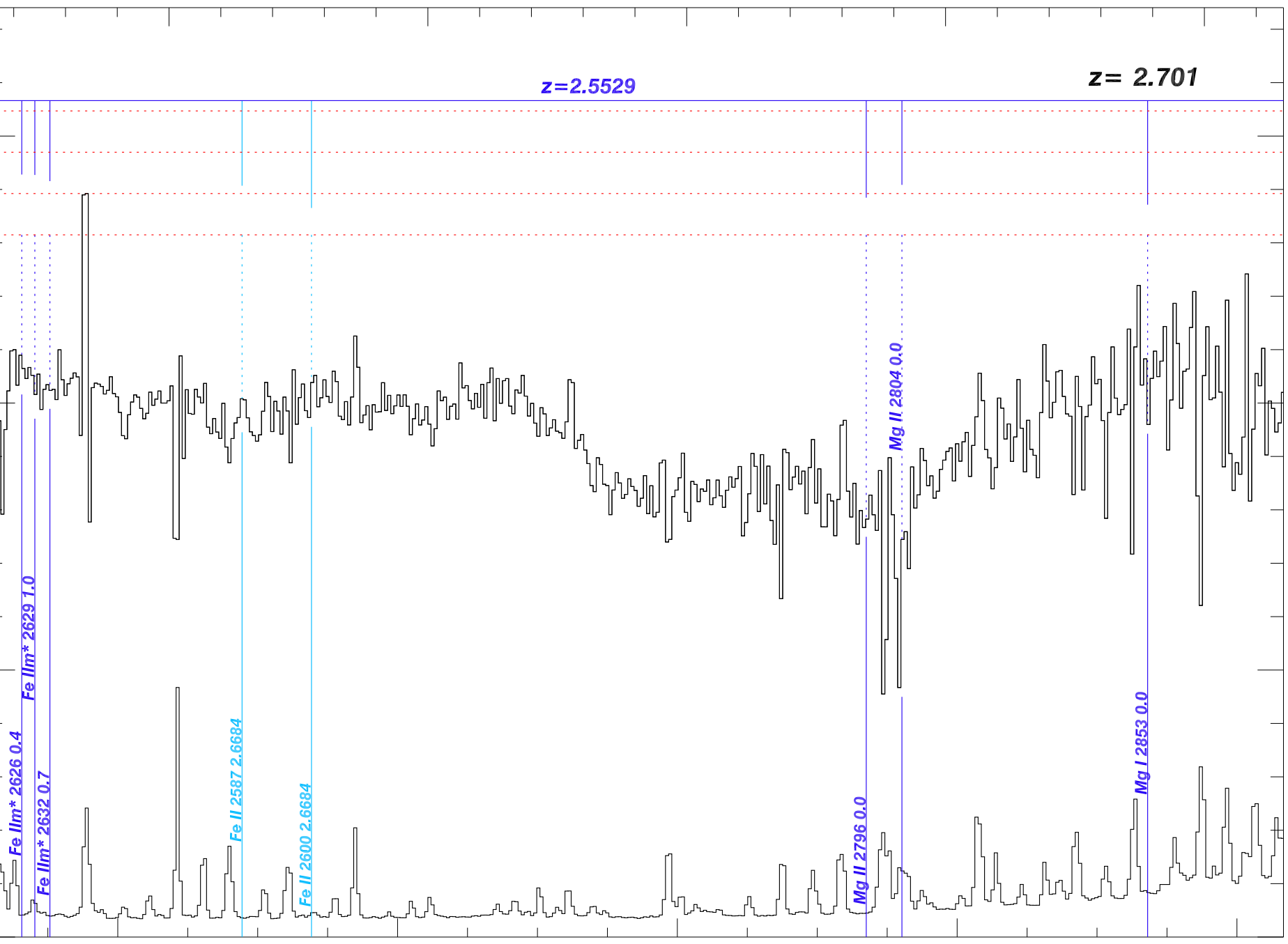
$9.60 \times 10^3$

$9.80 \times 10^3$

$1.00 \times 10^4$

$1.02 \times 10^4$

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J0050+1847\_MJD56220

Rest Wavelength ( $\text{\AA}$ )

2750

2800

2850

2900

2950

$z=2.5529$

$z = 2.701$

